

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	\$25	Q2.Other	University of Pittsburgh
ACE Center: Data Management/Statistical Core	\$38	Q7.Other	University of Washington
Genetic and immunological risk factors for autism	\$423	Q3.S.E	Feinstein Institute For Medical Research
White matter structural deficits in high functioning children with autism	\$848	Q2.Other	Feinstein Institute For Medical Research
Dense mapping of candidate regions linked to autistic disorder	\$848	Q3.L.B	Feinstein Institute For Medical Research
The mechanism and significance of Evf ncRNA regulation of the DLX genes	\$2,425	Q2.S.D	University of Washington
Language and social communication in autism	\$3,039	Q2.Other	University of California, Los Angeles
Folate rechallenge: A pilot study	\$4,578	Q4.S.C	Baylor College of Medicine
Measuring quality adjusted life years in children with autism spectrum disorders (supplement)	\$4,852	Q5.Other	Arkansas Children's Hospital Research Institute
Interdisciplinary Training Conference in Developmental Disabilities (supplement)	\$5,000	Q7.K	University of Wisconsin - Madison
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	\$5,519	Q2.Other	University of New Mexico
Early Autism Risk Longitudinal Investigation (EARLI) network (supplement)	\$5,839	Q3.L.A	Drexel University
Neuroimaging & symptom domains in autism	\$6,078	Q1.L.B	University of California, Los Angeles
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models (supplement)	\$6,802	Q2.S.G	University of Chicago
OPAM: A conference on Object Perception Attention and Memory	\$7,500	Q7.K	University of South Carolina
Functional neuroanatomy of developmental changes in face processing (supplement)	\$7,722	Q2.Other	University of Kentucky
Treatment of sleep problems in children with autism spectrum disorder with melatonin: A double-blind, placebo-controlled study	\$8,775	Q4.S.A	Baylor College of Medicine
Slick and Slack heteromers in neuronal excitability	\$9,298	Q2.Other	Yale University
Towards defining the pathophysiology of autistic behavior	\$9,500	Q7.K	Keystone Symposia
Regulation of 22q11 genes in embryonic and adult forebrain	\$9,806	Q2.S.D	University of North Carolina at Chapel Hill
Neurological diseases due to inborn errors of metabolism	\$10,458	Q2.S.A	University of Texas Southwestern Medical Center
Synapses: Formation, Function and Misfunction	\$10,500	Q7.K	Keystone Symposia
Neuroimaging of autism spectrum disorders	\$12,157	Q1.L.B	University of California, Los Angeles
Structural brain differences between autistic and typically-developing siblings	\$12,333	Q2.Other	Stanford University
The role of the Rett gene, chromosome 15q11-q13, other genes, and epigenetics	\$13,734	Q3.S.J	Baylor College of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Mitochondria and Autism 2010	\$16,000	Q7.K	University of California, San Diego
Methods for production of ICSI and SCNT derived macaque stem cells	\$19,188	Q4.S.B	Southwest Foundation For Biomedical Research
Micro-RNA regulation in pluripotent stem cells	\$19,189	Q4.S.B	Southwest Foundation For Biomedical Research
Core E: Statistical Analysis Core	\$19,844	Q7.Other	University of California, Davis
Interdisciplinary Training Conference in Developmental Disabilities	\$20,000	Q7.K	University of Wisconsin - Madison
Treatment for autism	\$21,228	Q4.S.C	University of California, San Diego
Cellular characterization of Caspr2	\$23,907	Q2.Other	University of California, San Diego
Cognitive mechanisms of serially organized behavior (supplement)	\$25,029	Q2.Other	Columbia University
The role of intracellular metabotropic glutamate receptor 5 at the synapse	\$25,890	Q2.S.D	Washington University in St. Louis
The neural substrates of social interactions	\$27,327	Q2.Other	University of Iowa
Growth and maturation in children with autism	\$27,518	Q1.L.B	National Institutes of Health
Longitudinal neurodevelopment of auditory and language cortex in autism	\$27,522	Q2.Other	University of Utah
Early language development within the autism spectrum (supplement)	\$27,942	Q1.L.C	University of Wisconsin - Madison
Project 1: Effect of multi-level environmental exposure on birth outcomes	\$29,643	Q3.S.C	University of California, Berkeley
2010 Molecular and Cellular Neurobiology Gordon Research Conference	\$30,000	Q7.K	Gordon Research Conferences
2010 "Synaptic Transmission" Gordon Research Conference	\$30,000	Q7.K	Gordon Research Conferences
Investigation of sex differences associated with autism candidate gene, CYFIP1	\$31,561	Q2.S.B	University of California, Los Angeles
Homeostatic regulation of presynaptic function by dendritic mTORC1	\$31,705	Q2.Other	University of Michigan
Role of L-type calcium channels in hippocampal neuronal network activity	\$32,741	Q4.S.B	Stanford University
Central vasopressin receptors and affiliation	\$32,896	Q4.S.B	Emory University
Neural mechanisms underlying obsessive compulsiveness in ASD	\$32,934	Q1.L.B	University of Michigan
Neurogenomics in a model for procedural learning	\$33,053	Q4.S.B	University of California, Los Angeles
Early language development within the autism spectrum (supplement)	\$33,417	Q1.L.C	University of Wisconsin - Madison
ACE Center: Administrative Core	\$34,343	Q7.Other	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
The microRNA pathway in translational regulation of neuronal development	\$37,604	Q2.S.D	J. David Gladstone Institutes
Amygdala structure & biochemistry in adolescents with autism	\$40,073	Q1.L.B	University of Wisconsin - Madison
Regulation of activity-dependent ProSAP2 synaptic dynamics	\$41,380	Q2.Other	Stanford University
L-type calcium channel regulation of neuronal differentiation	\$41,380	Q2.S.D	Stanford University
The impact of classroom climate on autism intervention fidelity and outcomes	\$41,380	Q4.L.D	University of Pennsylvania
The relationship between state EPSDT policies, well-child care and age of autism	\$41,380	Q5.S.A	Johns Hopkins University
3/3 CBT for anxiety disorders in autism: Adapting treatment for adolescents	\$41,570	Q4.S.F	University of Miami
The neural substrates of repetitive behaviors in autism	\$42,111	Q2.Other	Boston University Medical Campus
Neural mechanisms of social cognition and bonding	\$43,862	Q4.S.B	Emory University
Population genetics to improve homozygosity mapping and mapping in admixed groups	\$45,590	Q3.L.B	Harvard Medical School
Validity of an anxious subtype in autism spectrum disorders	\$46,670	Q1.L.B	University of California, Los Angeles
Cellular structure of the amygdala in autism	\$47,606	Q1.L.B	University of California, Davis
Role of neuronal migration genes in synaptogenesis and plasticity	\$47,606	Q2.Other	Weill Cornell Medical College
Characterization of autism susceptibility genes on chromosome 15q11-13	\$47,606	Q4.S.B	Beth Israel Deaconess Medical Center
International Meeting for Autism Research (IMFAR)	\$47,822	Q7.K	University of California, Davis
The emergence of emotion regulation in children at-risk for autism spectrum disorder	\$49,537	Q1.L.A	University of Miami
fMRI study of reward responsiveness of children with autism spectrum disorder	\$49,846	Q2.Other	University of California, Los Angeles
2010 Neurobiology of Cognition Gordon Research Conference	\$50,000	Q7.K	Gordon Research Conferences
Emotional mimicry in children with autism	\$50,474	Q1.L.B	University of Colorado Denver
Neural substrate of language and social cognition: Autism and typical development	\$50,474	Q2.Other	Massachusetts Institute of Technology
The comparison of three behavioral therapy approaches for children with autism	\$50,664	Q4.S.F	University of Rhode Island
Behavioral and neural processing of faces and expressions in nonhuman primates (supplement)	\$52,064	Q2.Other	Emory University
Role of GluK6 in cerebella circuitry development	\$52,106	Q2.Other	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Synaptic analysis of neuroligin1 function	\$52,154	Q2.Other	Stanford University
Analysis of Fgf17 roles and regulation in mammalian forebrain development	\$52,154	Q2.Other	University of California, San Francisco
Regulation of synapse elimination by FMRP	\$52,154	Q2.S.D	University of Texas Southwestern Medical Center
Synaptic plasticity, memory and social behavior	\$52,154	Q4.S.B	New York University
The development of selective attention in infancy as measured by eye movements	\$53,376	Q1.Other	York University
Autism: Neuropeptide hormones and potential pathway genes (supplement)	\$54,000	Q2.S.G	University of Illinois at Chicago
Electrophysiological signatures of language impairment in autism spectrum disorder (supplement)	\$55,828	Q1.L.B	Children's Hospital of Philadelphia
Autism: The neural substrates of language in siblings	\$56,955	Q2.S.G	Boston University Medical Campus
CPEA Data Coordinating Center (supplement)	\$59,632	Q7.Other	DM-Stat, Inc.
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	\$59,918	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Brain lipid rafts in cholesterol biosynthesis disorders	\$63,000	Q2.Other	Medical College of Wisconsin
Pupil size and circadian salivary variations in autism spectrum disorder	\$70,035	Q1.L.A	University of Kansas
Functional neuroanatomy of developmental changes in face processing	\$70,669	Q2.Other	University of Kentucky
Sibling-mediated social communicative intervention for children with autism spectrum disorder	\$70,983	Q4.L.D	University of Idaho
Core D: Molecular Genomics Core	\$73,487	Q7.Other	University of California, Davis
An investigation of the overlap of autism and fragile X syndrome	\$74,000	Q2.S.G	University of North Carolina at Chapel Hill
Establishing zebrafish as a model for RAI1 gene dosage	\$74,750	Q2.S.D	Virginia Commonwealth University
Physiological and behavioral characterization of sensory dysfunction in autism	\$76,478	Q2.Other	Thomas Jefferson University
Genetic components influencing the feline - human social bond	\$76,500	Q4.Other	University of California, Davis
Neurocognitive markers of response to treatment in autism	\$76,500	Q4.S.F	University of California, Davis
Neuronal activity-dependent regulation of MeCP2 (supplement)	\$77,123	Q2.S.D	Harvard Medical School
Neurocognitive mechanisms underlying children's theory of mind development	\$77,250	Q2.Other	University of California, San Diego
Neuroligin regulation of central GABAergic synapses	\$78,000	Q2.Other	Duke University
Investigation of DUF1220 domains in human brain function and disease (supplement)	\$79,369	Q3.L.B	University of Colorado Denver

Project Title	Funding	Strategic Plan Objective	Institution
Neural basis for the production and perception of prosody	\$80,190	Q2.Other	University of Southern California
Met signaling in neural development and circuitry formation	\$81,998	Q2.Other	University of Southern California
Perceptual factors affecting social attention in autism spectrum disorders	\$82,750	Q1.L.B	Yale University
Learning and compression in human working memory	\$84,000	Q2.Other	Harvard University
Autistic endophenotypes and their associations to oxytocin and cholesterol	\$84,750	Q2.Other	Mount Sinai School of Medicine
Synaptic deficits of iPS cell-derived neurons from patients with autism	\$86,588	Q4.S.B	Stanford University
Time perception and timed performance in autism	\$89,846	Q2.Other	Kennedy Krieger Institute
Analyses of brain structure and connectivity in young children with autism	\$90,000	Q1.L.B	University of California, Davis
Presynaptic fragile X proteins	\$90,000	Q2.S.D	Brown University
FOXP2-regulated signaling pathways critical for higher cognitive functions	\$90,000	Q3.Other	University of California, Los Angeles
Serotonin, autism, and investigating cell types for CNS disorders	\$90,000	Q4.S.B	The Rockefeller University
The neural basis of early action perception	\$95,040	Q2.Other	University of Washington
Child-initiated communicative interactions and autism intervention (supplement)	\$95,687	Q1.L.B	University of California, Santa Barbara
A molecular genetic study of autism and related phenotypes in extended pedigrees (supplement)	\$99,600	Q3.S.A	University of North Carolina at Chapel Hill
Electronic location reporting for individuals with cognitive disabilities	\$100,000	Q5.S.D	Intellispeak, LLC
Cognitive control of emotion in autism	\$101,034	Q2.Other	University of Pittsburgh
Core B: Outreach and Translation	\$108,000	Q7.Other	University of California, Davis
Engrailed and the control of synaptic circuitry in drosophila	\$112,500	Q2.Other	University of Puerto Rico Medical Sciences Campus
Anatomy of primate amygdaloid complex	\$114,105	Q2.Other	University of California, Davis
A non-human primate autism model based on maternal immune activation	\$114,105	Q2.S.A	University of California, Davis
Primate models of autism	\$114,105	Q2.S.A	University of California, Davis
ACE Center: Administrative Core	\$120,043	Q7.Other	Yale University
Performance indices of social disability in toddlers with autism (supplement)	\$121,484	Q1.L.B	Yale University
Vasopressin receptors and social attachment	\$121,500	Q4.S.B	Emory University
Core C: Analytical Core	\$124,440	Q7.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Pragmatic skills of young males and females with fragile X syndrome (supplement)	\$125,116	Q2.L.A	University of North Carolina at Chapel Hill
Hypocholesterolemic autism spectrum disorder	\$126,671	Q3.L.B	National Institutes of Health
Connectivity of anterior cingulate cortex networks in autism	\$128,739	Q2.Other	New York University School of Medicine
Functional imaging of flexibility in autism: Informed by SLC6A4	\$128,971	Q2.S.G	Children's Research Institute
Electrophysiological correlates of cognitive control in autism	\$129,144	Q1.L.B	University of California, Davis
Prenatal exposure to polyfluoroalkyl compounds in the EMA study	\$130,465	Q3.S.F	Kaiser Foundation Research Institute
Simons Simplex Collection	\$130,856	Q3.L.B	Baylor College of Medicine
Epidemiological research on autism in Jamaica	\$131,010	Q3.S.H	University of Texas Health Science Center at Houston
MicroRNAs in synaptic plasticity and behaviors relevant to autism	\$131,220	Q2.S.D	Massachusetts General Hospital
A cognitive-behavioral intervention for children with autism spectrum disorders	\$132,142	Q4.Other	Virginia Polytechnic Institute and State University
Intersensory perception of social events: Typical and atypical development	\$133,861	Q1.L.C	Florida International University
Fundamental mechanisms of GPR56 activation and regulation	\$134,269	Q2.S.D	Emory University
Development of ventral stream organization	\$136,047	Q2.Other	University of Pittsburgh
Linking data sources from the Autism Genetic Resource Exchange (AGRE) with NDAR (supplement)	\$141,029	Q7.H	Autism Speaks (AS)
The role of FOX-1 in neurodevelopment and autistic spectrum disorder	\$142,677	Q2.Other	University of California, Los Angeles
Translational developmental neuroscience of autism	\$143,617	Q1.L.B	New York University School of Medicine
Multiple social tasks and social adjustment	\$145,000	Q1.L.B	California State University, Northridge
Guiding visual attention to enhance discrimination learning	\$146,861	Q4.Other	University of Massachusetts Medical School
Psychosis and autoimmune diseases in Denmark	\$148,389	Q3.S.E	Johns Hopkins University
Cognitive control in autism	\$149,754	Q2.Other	University of California, Davis
Defining the dynamics of the default network with direct brain recordings and functional MRI	\$149,942	Q2.Other	University of Washington
Social and affective components of communication	\$150,119	Q2.Other	Salk Institute For Biological Studies
Structural and functional neural correlates of early postnatal deprivation	\$150,412	Q3.S.H	Wayne State University
Behavioral and sensory evaluation of auditory discrimination in autism	\$151,692	Q2.Other	University of Massachusetts Medical School

Project Title	Funding	Strategic Plan Objective	Institution
Sensory integration and language processing in autism	\$152,394	Q1.L.C	University of Rochester
Sex differences in early brain development; Brain development in Turner syndrome	\$153,382	Q2.S.D	University of North Carolina at Chapel Hill
Motor control and cerebellar maturation in autism	\$154,143	Q2.Other	University of Illinois at Chicago
Mental Health/Disabilities (MHDD) Research Education Program	\$154,942	Q7.K	Children's Hospital Boston
A primate model of gut, immune, and CNS response to childhood vaccines	\$155,086	Q2.S.A	University of Washington
Multimodal analyses of face processing in autism & down syndrome	\$156,083	Q2.Other	University of Massachusetts Medical School
Emotion-modulated psychophysiology of autism spectrum disorders	\$156,781	Q1.Other	University of North Carolina at Chapel Hill
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	\$157,387	Q2.Other	University of Pittsburgh
The intersection of autism and ADHD	\$158,242	Q1.L.B	Washington University in St. Louis
Functional neuroimaging of psychopharmacologic intervention for autism	\$158,810	Q2.L.B	University of North Carolina at Chapel Hill
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$161,094	Q2.S.D	Dana-Farber Cancer Institute
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	\$165,629	Q2.Other	Stanford University
Identification of candidate genes at the synapse in autism spectrum disorders	\$167,751	Q2.Other	Yale University
Multimodal brain imaging in autism spectrum disorders	\$167,832	Q2.Other	University of Washington
ACE Center: Risk and protective factors in the development of associated symptoms in autism	\$169,876	Q4.S.F	University of Washington
Murine genetic models of autism	\$172,389	Q4.S.B	Vanderbilt University
Development of the functional neural systems for face expertise (supplement)	\$172,529	Q2.Other	University of California, San Diego
Translating autism intervention for mental health services via knowledge exchange	\$172,584	Q5.L.A	University of California, San Diego
Project 3: Neurodevelopmental toxicology of autism	\$173,583	Q3.S.K	University of California, Davis
Project 2: Immunological susceptibility of autism	\$173,585	Q2.S.A	University of California, Davis
Activity-dependent phosphorylation of MeCP2	\$173,979	Q2.S.D	Harvard Medical School
Virtual reality and augmented social training for autism	\$176,185	Q4.Other	University of California, Davis
Magnetic source imaging and sensory behavioral characterization in autism	\$176,229	Q1.L.B	University of California, San Francisco
Genetic epidemiology of autism spectrum disorders	\$178,192	Q3.Other	Yale University
Genetic dissection of restricted repetitive behavior (RRB)	\$179,219	Q2.S.G	University of Florida

Project Title	Funding	Strategic Plan Objective	Institution
Center for Visual and Cognitive Neuroscience (supplement)	\$179,659	Q7.Other	North Dakota State University
Developmental social neuroscience in infants at-risk for autism	\$180,659	Q1.L.C	Yale University
Genetic investigation of cognitive development in autistic spectrum disorders	\$184,248	Q3.L.B	Brown University
Autism: Neuropeptide hormones and potential pathway genes	\$184,353	Q2.S.G	University of Illinois at Chicago
Genetic models of serotonin transporter regulation linked to mental disorders	\$184,375	Q4.S.B	Medical University of South Carolina
Pharmacotherapy of pervasive developmental disorders	\$184,587	Q4.L.C	Indiana University-Purdue University Indianapolis
An evaluation of brief scheduled breaks to reduce distress in typical and developmentally disabled children undergoing restorative dental treatment	\$185,625	Q5.L.E	University of Nebraska Medical Center
International Mental Health/Developmental Disabilities Research Training Program	\$188,000	Q7.K	Children's Hospital Boston
Expressive crossmodal affect integration in autism	\$191,367	Q1.L.C	Oregon Health & Science University
CNS toxicity of ambient air pollution: Postnatal exposure to ultrafine particles	\$191,406	Q2.S.A	University of Rochester
Software to enrich the noun lexicons and lexical learning of children with autism	\$191,819	Q4.L.D	Laureate Learning Systems, Inc.
Eyeblink in children and adolescents with autism spectrum disorders: A pilot study	\$192,500	Q1.Other	Drexel University
High-resolution diffusion tensor imaging in mouse models relevant to autism	\$199,724	Q4.S.B	University of Pennsylvania
Educating Adults about Children with Autism Spectrum Disorders (EACA)	\$199,995	Q5.L.C	Dayna International, Inc.
Identification of autism genes that regulate synaptic Nrx/Nlg signaling complexes	\$200,000	Q4.S.B	Stanford University
Robot child interactions as an intervention tool for children with autism	\$200,236	Q4.Other	University of Connecticut
ACE Center: Data Management and Analysis Core	\$202,592	Q7.Other	Yale University
Validation study of atypical dynamic pupillary light reflex as a biomarker for autism	\$204,525	Q1.L.A	University of Missouri
Adapting cognitive enhancement therapy for ASD	\$205,785	Q4.Other	University of Pittsburgh
ACE Center: Imaging the autistic brain before it knows it has autism	\$206,070	Q2.Other	University of California, San Diego
Patient iPS cells with copy number variations to model neuropsychiatric disorders	\$207,388	Q4.S.B	The Hospital for Sick Children
Early detection of pervasive developmental disorders (supplement)	\$207,828	Q1.S.A	University of Connecticut



Project Title	Funding	Strategic Plan Objective	Institution
A family-genetic study of language in autism	\$208,064	Q2.S.G	University of North Carolina at Chapel Hill
Angelman syndrome (AS)	\$208,335	Q2.S.D	University of Alabama at Birmingham
Training outpatient clinicians to deliver cognitive behavior therapy to children	\$208,560	Q4.S.C	University of Colorado Denver
ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	\$208,661	Q1.L.A	University of California, San Diego
Cell type-based genomics of developmental plasticity in cortical GABA interneurons	\$210,000	Q2.Other	Cold Spring Harbor Laboratory
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	\$210,000	Q4.S.B	Massachusetts Institute of Technology
ACE Center: Clinical Phenotype: Treatment Response Core	\$210,667	Q4.Other	University of California, San Diego
High content screens of neuronal development for autism research	\$210,977	Q4.S.B	University of California, San Diego
Communicative and emotional facial expression production in children with autism	\$212,250	Q2.Other	University of Massachusetts Medical School
Contingency manipulation in discrete trial interventions for children with autism	\$212,250	Q4.Other	University of Massachusetts Medical School
Relational stimulus control management in neurodevelopmental disabilities	\$212,250	Q4.S.G	University of Massachusetts Medical School
Service transitions among youth with autism spectrum disorders	\$217,705	Q6.L.B	Washington University
A longitudinal 3-D MRSI study of infants at high risk for autism	\$219,046	Q1.L.A	University of Washington
ACE Center: Imaging autism biomarkers + risk genes	\$219,925	Q3.Other	University of California, San Diego
IL-6-mediated Jak2/Stat3 signaling and brain development	\$220,500	Q3.L.C	University of South Florida
Cochlear efferent feedback and hearing-in-noise perception in autism	\$221,822	Q2.Other	University of Rochester
Building a selective inhibitory control tone in autism: An rTMS study	\$222,000	Q4.Other	University of Louisville
Characterization of a novel mouse model of restricted repetitive behaviors	\$222,000	Q4.S.B	University of North Carolina at Chapel Hill
A neural model of fronto-parietal mirror neuron system dynamics	\$225,557	Q2.Other	University of Maryland
Treatment of sleep disturbances in young children with autism	\$225,877	Q4.S.H	University of Pittsburgh
GABA(A) receptor modulation via the beta subunit	\$226,499	Q2.Other	Emory University
Early social communication characteristics of ASD in diverse cultures in the US and Africa	\$226,872	Q1.S.B	Florida State University

Project Title	Funding	Strategic Plan Objective	Institution
A mouse knock-in model for ENGRAILED 2 autism susceptibility	\$227,135	Q4.S.B	University of Medicine & Dentistry of New Jersey
2/5-Randomized trial of parent training for young children with autism	\$230,104	Q4.S.D	The Ohio State University
Autism-specific mutation in DACT1: Impact on brain development in a mouse model	\$231,750	Q2.Other	University of California, San Francisco
Metacognition in comparative perspective	\$234,705	Q2.Other	University at Buffalo, The State University of New York
2/3 CBT for anxiety disorders in autism: Adapting treatment for adolescents	\$236,579	Q4.S.F	University of South Florida
Functional neuroanatomy of developmental changes in face processing	\$236,799	Q2.Other	Medical University of South Carolina
5/5-Randomized trial of parent training for young children with autism	\$238,613	Q4.S.D	University of Pittsburgh
Augmentation of the cholinergic system in fragile X syndrome: A double-blind placebo study	\$240,000	Q2.S.D	Stanford University
Novel animal models of impaired social behavior and anxiety: A role for MeCP2	\$240,000	Q3.L.C	University of Pennsylvania
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	\$241,503	Q4.S.B	Stanford University
3/5-Randomized trial of parent training for young children with autism	\$241,762	Q4.S.D	University of Rochester
4/5-Randomized trial of parent training for young children with autism	\$242,552	Q4.S.D	Indiana University-Purdue University Indianapolis
An ex-vivo placental perfusion system to study materno-fetal biology	\$243,000	Q2.S.A	University of Southern California
Development of neural pathways in infants at risk for autism spectrum disorders (supplement)	\$244,282	Q1.L.A	University of California, San Diego
Neuroimaging of social perception	\$245,265	Q2.Other	University of Virginia
Cerebellar anatomic and functional connectivity in autism spectrum disorders	\$246,178	Q2.Other	University of Texas at Austin
Visual processing and later cognitive effects in infants with fragile X syndrome	\$247,125	Q1.Other	University of California, Davis
Complex decisions and the brain: An experimental and theoretical approach	\$248,999	Q2.Other	Cold Spring Harbor Laboratory
Social communication phenotype of ASD in the second year	\$249,084	Q1.L.C	Florida State University
Comprehensive collection, charting, and communication system	\$249,297	Q5.Other	Symtrend, Inc.
Parenting your young child with autism: A web-based tutorial	\$249,399	Q4.L.D	Center for Psychological Consultation
Developmental characteristics of MRI diffusion tensor pathway changes in autism	\$252,636	Q1.L.A	Washington University

Project Title	Funding	Strategic Plan Objective	Institution
Core A: Administrative Services	\$253,048	Q7.Other	Vanderbilt University
Autism iPSCs for studying function and dysfunction in human neural development	\$254,152	Q4.S.B	The Scripps Research Institute
Connectivity in social brain systems in autism	\$255,300	Q1.Other	Yale University
Development of an executive function-based intervention for autism spectrum disorder	\$258,000	Q4.Other	Children's Research Institute
The development of object representation in infancy	\$258,335	Q2.Other	University of California, Davis
Gross morphological correlates to the minicolumnopathy of autism	\$259,000	Q2.Other	University of Louisville
Optimization of methods for production of both ICSI- and SCNT derived baboon embryonic stem cells	\$260,102	Q4.S.B	Southwest Foundation For Biomedical Research
Early detection of autism through acoustic analysis of cry	\$260,153	Q1.S.B	Women and Infants Hospital of Rhode Island
Functional circuit disorders of sensory cortex in ASD and RTT	\$261,599	Q2.S.D	University of Pennsylvania
Cntnap2 in a behavioral model of autism	\$262,356	Q4.S.B	University of California, Los Angeles
Initial investigation of prevention of ASD in infants at risk	\$263,591	Q4.L.B	University of California, Davis
Autism in the second half of the lifespan: Behavior, daily living, service needs	\$263,837	Q6.S.A	University of California, San Diego
Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$264,000	Q2.Other	Emory University
Neural synchrony dysfunction of gamma oscillations in autism	\$265,595	Q2.Other	University of Colorado Denver
Stimulus overselectivity in visual discrimination: Analysis and remediation (supplement)	\$265,928	Q4.Other	University of Massachusetts Medical School
Gene expression and immune cell function in mothers of children with autism	\$267,895	Q3.S.E	University of California, Davis
TrkB agonist(s), a potential therapy for autism spectrum disorders	\$269,500	Q2.S.D	University of California, Los Angeles
Imaging brain and movement in ASD	\$270,358	Q2.Other	University of California, San Diego
A sex-specific dissection of autism genetics	\$270,375	Q2.S.B	University of California, San Francisco
A randomized control study of relationship focused intervention with young children with ASD	\$272,003	Q4.L.D	Case Western Reserve University
1/3-Atomoxetine placebo and parent training in autism	\$272,700	Q4.S.F	University of Pittsburgh
ACE Center: Auditory mechanisms of social engagement	\$273,542	Q1.Other	Yale University
Novel genetic animal models of autism	\$274,750	Q4.S.B	University of Texas Southwestern Medical Center
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$275,152	Q1.L.A	University of California, San Diego
3/3-Atomoxetine placebo and parent training in autism	\$277,198	Q4.S.F	University of Rochester

Project Title	Funding	Strategic Plan Objective	Institution
The MET signaling system, autism and gastrointestinal dysfunction	\$277,299	Q2.S.E	University of Southern California
Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$278,686	Q2.Other	University of California, Los Angeles
Project 1: Environmental epidemiology of autism	\$279,901	Q3.L.C	University of California, Davis
Investigating gene-environment interaction in autism: Air pollution x genetics	\$280,078	Q3.L.D	University of Southern California
Cellular and genetic correlates of increased head size in autism spectrum disorder	\$282,901	Q4.S.B	Yale University
Interdisciplinary training for autism researchers	\$283,133	Q7.K	University of California, Davis
Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$284,334	Q2.Other	University of California, Berkeley
Computer adaptive testing of adaptive behavior of children and youth with autism	\$284,375	Q1.S.A	Boston University
Chemosensory processing in chemical communication	\$284,599	Q2.Other	Florida State University
1/3 CBT for anxiety disorders in autism: Adapting treatment for adolescents	\$285,075	Q4.S.F	University of California, Los Angeles
The effects of oxytocin on complex social cognition in autism spectrum disorders	\$285,221	Q4.L.A	Mount Sinai School of Medicine
A study of the computational space of facial expressions of emotion	\$285,938	Q2.Other	The Ohio State University
Core E: Participant Recruitment & Assessment Services	\$286,854	Q7.Other	Vanderbilt University
GABAergic dysfunction in autism	\$290,090	Q2.Other	University of Minnesota
Neural and behavioral outcomes of social skills groups in children with ASD	\$290,251	Q4.S.F	Mount Sinai School of Medicine
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	\$290,266	Q2.S.D	University of Texas Southwestern Medical Center
ACE Center: Optimizing social and communication outcomes for toddlers with autism	\$292,074	Q4.L.D	University of California, Los Angeles
Prospective study of infants at high risk for autism	\$292,249	Q1.L.A	Yale University
Developmental processes, trajectories, and outcomes in autism	\$292,249	Q1.L.C	Yale University
Studies of social communication in speakers with autism spectrum disorder	\$292,249	Q2.Other	Yale University
Statistics and Research Design Core	\$292,249	Q7.Other	Yale University
Emotion, communication, & EEG: Development & risk	\$295,172	Q1.L.B	University of Miami
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	\$295,298	Q4.S.B	University of California, San Francisco
Molecular mechanisms regulating synaptic strength	\$296,257	Q2.Other	Washington University

Project Title	Funding	Strategic Plan Objective	Institution
A comparative developmental connectivity study of face processing	\$296,461	Q2.Other	University of Kentucky
Contingency analyses of observing and attending in intellectual disabilities	\$298,293	Q4.S.G	University of Massachusetts Medical School
Dynamic regulation of Shank3 and ASD	\$300,000	Q4.S.B	Johns Hopkins University
Steroid receptors and brain sex differences	\$301,240	Q2.S.B	University of Wisconsin - Madison
ACE Center: The Diagnostic and Assessment Core	\$302,409	Q7.Other	University of California, Los Angeles
Serotonin, corpus callosum, and autism	\$303,250	Q4.S.B	University of Mississippi Medical Center
The development of joint attention after infancy	\$303,992	Q1.L.C	Georgia State University
ACE Center: Gaze perception abnormalities in infants with ASD	\$304,365	Q1.L.A	Yale University
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$304,500	Q4.S.B	Beth Israel Deaconess Medical Center
ACE Center: Eye-tracking studies of social engagement	\$304,508	Q1.L.B	Yale University
ACE Center: Linguistic and social responses to speech in infants at risk for autism	\$304,817	Q1.L.A	University of Washington
In vivo function of neuronal activity-induced MeCP2 phosphorylation	\$304,917	Q3.S.J	University of Wisconsin - Madison
The neural basis of social cognition	\$305,233	Q2.Other	Indiana University
Effects of therapeutic horseback riding on children and adolescents with autism spectrum disorders	\$305,605	Q4.S.C	University of Colorado Denver
ACE Center: Mirror neuron and reward circuitry in autism	\$305,987	Q2.Other	University of California, Los Angeles
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	\$307,842	Q3.L.B	Massachusetts General Hospital
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$309,000	Q1.L.A	University of California, San Diego
Using functional physiology to uncover the fundamental principles of visual cortex	\$310,700	Q2.Other	Carnegie Mellon University
Development of intermodal perception of social events: Infancy to childhood	\$312,573	Q1.L.C	Florida International University
Regulation of 22q11 genes in embryonic and adult forebrain	\$313,000	Q2.S.D	The George Washington University
Proteomics in drosophila to identify autism candidate substrates of UBE3A	\$316,355	Q2.S.D	University of Tennessee Health Science Center
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$320,250	Q2.Other	Brandeis University
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$320,469	Q2.S.D	University of Alabama at Birmingham
Child-initiated communicative interactions and autism intervention	\$321,056	Q1.L.B	University of California, Santa Barbara

Project Title	Funding	Strategic Plan Objective	Institution
A family-genetic study of language in autism	\$321,304	Q2.S.G	Northwestern University
Language development and outcome in children with autism	\$321,874	Q1.L.C	University of Connecticut
Gene silencing in fragile X syndrome	\$323,483	Q2.S.D	National Institutes of Health
ACE Center: The development of the siblings of children with autism: A longitudinal study	\$324,955	Q1.L.B	University of California, Los Angeles
Development of neural pathways in infants at risk for autism spectrum disorders	\$325,029	Q1.L.A	University of California, San Diego
Animal model of speech sound processing in autism	\$325,125	Q4.S.B	University of Texas at Dallas
2/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD	\$325,136	Q4.L.C	Seattle Children's Hospital
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	\$325,302	Q2.S.G	University of California, Los Angeles
Novel, subtype selective potentiators of nicotinic acetylcholine receptors	\$325,757	Q4.Other	University of Alaska Fairbanks
ACE Center: Understanding repetitive behavior in autism	\$326,665	Q4.L.A	University of California, Los Angeles
Glutamate receptor desensitization and its modulation	\$328,338	Q2.Other	Colorado State University
CRCNS: Ontology-based multi-scale integration of the autism phenome	\$328,680	Q7.O	Stanford University
Statistical analysis of biomedical imaging data in curved space	\$330,008	Q2.Other	University of North Carolina at Chapel Hill
ACE Center: Neuroimaging studies of connectivity in ASD	\$330,130	Q2.Other	Yale University
Cerebellar modulation of frontal cortical function	\$331,107	Q2.Other	University of Memphis
ACE Center: Rare variant genetics, contactin-related proteins and autism	\$334,470	Q3.L.B	Yale University
ACE Center: The Imaging Core	\$335,066	Q7.Other	University of California, Los Angeles
The microstructural basis of abnormal connectivity in autism	\$336,355	Q2.Other	University of Utah
The role of MeCP2 in Rett syndrome	\$337,753	Q2.S.D	University of California, Davis
Delayed motor learning in autism	\$338,740	Q4.Other	Brandeis University
The neural basis of sexually dimorphic brain function	\$343,502	Q2.S.B	University of Massachusetts Amherst
Communication success and AAC: A model of symbol acquisition	\$343,664	Q4.S.G	University of Kansas
Evaluation of sensory integration treatment in ASD	\$345,261	Q4.S.C	Vanderbilt University
The genetic control of social behavior in the mouse	\$346,000	Q4.S.B	University of Hawai'i at Manoa
Psychobiological investigation of the socioemotional functioning in autism	\$348,750	Q2.Other	Vanderbilt University
Molecular components of A-type K <sup>+</sup> channels	\$349,013	Q2.S.E	New York University School of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Cognitive mechanisms of serially organized behavior	\$349,715	Q2.Other	Columbia University
Metabolic biomarkers of autism: Predictive potential and genetic susceptibility	\$351,076	Q1.L.A	Arkansas Children's Hospital Research Institute
Investigation of DUF1220 domains in human brain function and disease	\$352,794	Q3.L.B	University of Colorado Denver
Neurobiology of sociability in a mouse model system relevant to autism	\$354,375	Q4.S.B	University of Pennsylvania
Olfactory abnormalities in the modeling of Rett syndrome	\$355,163	Q2.S.D	Johns Hopkins University
Electrophysiological signatures of language impairment in autism spectrum disorder	\$357,248	Q1.L.B	Children's Hospital of Philadelphia
ACE Center: Targeting genetic pathways for brain overgrowth in autism spectrum disorders	\$357,789	Q3.L.B	University of California, San Diego
Development of face processing expertise	\$360,996	Q2.Other	University of Toronto
2/3-Atomoxetine placebo and parent training in autism	\$361,873	Q4.S.F	Ohio State University
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	\$361,993	Q1.L.A	University of California, San Diego
ACE Center: MRI studies of early brain development in autism	\$364,247	Q1.L.A	University of California, San Diego
Central vasopressin receptors and affiliation	\$364,425	Q4.S.B	Emory University
1/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD	\$366,035	Q4.L.C	Indiana University-Purdue University Indianapolis
Neural basis of behavioral flexibility	\$367,565	Q2.Other	Mount Sinai School of Medicine
Linking local activity and functional connectivity in autism	\$369,635	Q2.Other	San Diego State University
Targeted pharmacologic interventions for autism	\$370,481	Q4.L.C	Indiana University-Purdue University Indianapolis
Functional money skills readiness training: Teaching relative values	\$370,740	Q5.Other	Praxis, Inc.
Selective disruption of hippocampal dentate granule cells in autism: Impact of PTEN deletion	\$371,250	Q2.S.E	Cincinnati Children's Hospital Medical Center
Translation regulation in hippocampal LTP and LTD	\$372,141	Q2.S.D	New York University
2/2 Development of a screening interview for research studies of ASD	\$372,239	Q1.S.A	Cincinnati Children's Hospital Medical Center
Early social and emotional development in toddlers at genetic risk for autism	\$373,244	Q1.L.A	University of Pittsburgh
Behavioral treatment for autism in community settings using a telehealth network	\$373,763	Q5.L.A	University of Iowa
Treatment as usual and peer engagement in teens with high functioning autism	\$374,644	Q6.L.C	Seattle Children's Hospital
Physiology of attention and regulation in children with ASD and LD	\$374,693	Q2.Other	Seattle Children's Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Prostaglandins and cerebellum development	\$375,000	Q2.S.A	University of Maryland, Baltimore
The microRNA pathway in translational regulation of neuronal development	\$376,031	Q2.S.D	University of Massachusetts Medical School
Synaptic processing in the basal ganglia	\$382,323	Q2.Other	University of Washington
ACE Center: Assessment Core	\$382,531	Q7.Other	University of Illinois at Chicago
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	\$382,540	Q2.Other	University of Illinois at Chicago
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical endophenotypes	\$382,540	Q2.S.G	University of Illinois at Chicago
ACE Center: The pharmacogenetics of treatment for insistence sameness in autism	\$382,540	Q4.L.A	University of Illinois at Chicago
ACE Center: Data and Statistics Core	\$382,540	Q7.Other	University of Illinois at Chicago
Maternal immune activation, cytokines, and the pathogenesis of autism	\$382,588	Q2.S.A	University of California, Davis
Sex chromosomes, epigenetics, and neurobehavioral disease	\$382,757	Q3.S.K	University of Virginia
Sensory mechanisms and self-injury	\$383,231	Q2.S.E	University of Minnesota
Neural economics of biological substrates of valuation	\$383,750	Q1.L.C	Baylor College of Medicine
Towards an endophenotype for amygdala dysfunction	\$384,145	Q2.Other	California Institute of Technology
Extraction of functional subnetworks in autism using multimodal MRI	\$384,865	Q1.L.B	Yale University
Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$385,337	Q2.S.F	National Institutes of Health
Imaging signal transduction in single dendritic spines	\$386,100	Q2.Other	Duke University
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models	\$387,353	Q2.S.G	University of Chicago
Basal ganglia circuitry and molecules in pathogenesis of motor stereotypy	\$387,767	Q4.S.B	University of California, Los Angeles
Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$390,562	Q2.Other	Georgetown University
3/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD	\$391,103	Q4.L.C	University of California, Los Angeles
Study of fragile X mental retardation protein in synaptic function and plasticity	\$392,087	Q2.S.D	University of Texas Southwestern Medical Center
Neurexin function in vivo: Implications for autism and mental retardation	\$392,500	Q4.S.B	University of Texas Southwestern Medical Center
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	\$393,174	Q2.Other	University of Pittsburgh
Allelic choice in Rett syndrome	\$394,425	Q2.S.D	Winifred Masterson Burke Medical Research Institute



Project Title	Funding	Strategic Plan Objective	Institution
2/3-Multisite RCT of early intervention for spoken communication in autism	\$395,531	Q4.S.F	University of Rochester
Behavioral and neural processing of faces and expressions in nonhuman primates	\$396,000	Q2.Other	Emory University
Elucidating the roles of SHANK3 and FXR in the autism interactome	\$396,509	Q2.S.D	Baylor College of Medicine
Prenatal factors and risk of autism in a Finnish national birth cohort	\$408,838	Q3.S.H	New York State Psychiatric Institute
Morphogenesis and function of the cerebral cortex	\$409,165	Q2.Other	Yale University
Neural circuitry of social cognition in the broad autism phenotype	\$411,039	Q2.S.G	University of North Carolina at Chapel Hill
Integrative functions of the planum temporale	\$411,394	Q2.Other	University of California, Irvine
Development of face processing in infants with autism spectrum disorders	\$413,750	Q1.L.B	Yale University
Social evaluation in infants and toddlers	\$413,750	Q1.L.B	Yale University
Perception of social and physical contingencies in infants with ASD	\$413,750	Q1.L.B	Yale University
Caring for caregivers: Supporting caregivers of people with autism spectrum disorder	\$419,167	Q6.S.D	Dayna International, Inc.
Synaptic phenotype, development, and plasticity in the fragile X mouse	\$421,590	Q2.S.D	University of Illinois at Urbana Champaign
Glial control of neuronal receptive ending morphology	\$422,500	Q2.Other	The Rockefeller University
Characterization of the transcriptome in an emerging model for social behavior	\$426,250	Q4.S.B	Emory University
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	\$435,000	Q2.Other	Cold Spring Harbor Laboratory
Neuronal activity-dependent regulation of MeCP2	\$437,522	Q2.S.D	Harvard Medical School
The mechanism and significance of Evf ncRNA regulation of the DLX genes	\$438,060	Q2.Other	Children's Memorial Hospital, Chicago
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	\$439,282	Q2.Other	University of Pittsburgh
fNIRS system to further research on neurodevelopmental disorders	\$444,700	Q7.Other	Yale University
1/5-Randomized trial of parent training for young children with autism	\$447,909	Q4.S.D	Yale University
Supporting teens with autism on relationships	\$450,000	Q6.L.A	Dayna International, Inc.
Motor skill learning in autism	\$454,262	Q2.Other	Kennedy Krieger Institute
Function of neurexins	\$464,471	Q2.Other	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
A confocal laser scanning microscope for Neuroscience Imaging Center	\$466,377	Q7.Other	University of Tennessee Health Science Center
Disseminating scientific information on autism to the Latino community	\$466,538	Q5.L.A	University of Southern California
Transgenic mouse model to address heterogeneity in autism spectrum disorders	\$468,586	Q4.S.B	Vanderbilt University
Linking data sources from the Autism Genetic Resource Exchange (AGRE) with NDAR	\$469,084	Q7.H	Autism Speaks (AS)
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$474,750	Q2.Other	Memorial Sloan-Kettering Cancer Center
Longitudinal studies of autism spectrum disorders: 2 to 23	\$476,915	Q6.L.B	University of Michigan
Sensory experiences in children with autism	\$483,083	Q1.Other	University of North Carolina at Chapel Hill
Interstate variation in healthcare utilization among children with ASD	\$489,354	Q5.S.A	University of Pennsylvania
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	\$491,943	Q2.Other	University of Utah
Behavioral and genetic biomarker development for autism and related disorders	\$494,132	Q2.S.G	Rutgers, The State University of New Jersey - New Brunswick
Sensorimotor learning of facial expressions: A novel intervention for autism	\$494,454	Q4.Other	University of California, San Diego
Performance indices of social disability in toddlers with autism	\$495,558	Q1.L.B	Yale University
Development of the functional neural systems for face expertise	\$496,073	Q2.Other	University of California, San Diego
Development of a brief screener for research in autism spectrum disorders	\$497,915	Q1.S.A	University of Michigan
JobTips: An employment preparation program for adolescents and young adults with ASD	\$499,964	Q6.L.A	Virtual Reality Aids, Inc.
Randomized study of training in autism	\$499,996	Q5.L.C	University of Kentucky
Conventional vs. mindfulness intervention in parents of children with disabilities	\$499,996	Q5.Other	Vanderbilt University
Unraveling the genetic etiology of autism	\$500,900	Q3.L.B	Vanderbilt University
Behavioral Measurement Core	\$502,439	Q7.Other	University of North Carolina at Chapel Hill
Administrative Core	\$502,455	Q7.Other	University of North Carolina at Chapel Hill
Pragmatic skills of young males and females with fragile X syndrome	\$507,009	Q2.L.A	University of North Carolina at Chapel Hill
Early language development within the autism spectrum	\$508,490	Q1.L.C	University of Wisconsin - Madison
The development of face processing	\$512,804	Q2.Other	Children's Hospital Boston

Project Title	Funding	Strategic Plan Objective	Institution
Cell-based genomic analysis in mouse models of Rett syndrome	\$513,667	Q2.S.D	Cold Spring Harbor Laboratory
ACE Center: Structural and chemical brain imaging of autism	\$514,982	Q2.S.E	University of Washington
Neurodevelopmental mechanisms of social behavior	\$515,840	Q2.Other	University of Southern California
Behavioral intervention in autism: Practitioner skills	\$518,113	Q5.L.C	Praxis, Inc.
Improving accuracy and accessibility of early autism screening	\$518,904	Q1.S.A	Total Child Health, Inc.
Early identification of autism: A prospective study	\$519,453	Q1.L.A	University of Pittsburgh
Measuring quality adjusted life years in children with autism spectrum disorders	\$528,985	Q5.Other	University of Arkansas for Medical Sciences
1/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder	\$529,536	Q4.S.D	Florida State University
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	\$531,624	Q2.S.D	Children's Hospital Boston
Development of novel diagnostics for fragile X syndrome	\$532,677	Q2.S.D	JS Genetics, Inc.
Genotype-phenotype relationships in fragile X families	\$535,019	Q2.S.D	University of California, Davis
Cold Spring Harbor Laboratory faculty recruitment in developmental neurobiology	\$538,683	Q7.K	Cold Spring Harbor Laboratory
Cell adhesion molecules in CNS development	\$541,105	Q2.Other	The Scripps Research Institute
Genetic and developmental analyses of fragile X syndrome	\$544,592	Q2.S.D	Vanderbilt University
Neural and phenotypic correlates of autism risk genes	\$545,057	Q2.S.G	University of California, Los Angeles
1/3-Multisite RCT of early intervention for spoken communication in autism	\$547,162	Q4.S.F	University of California, Los Angeles
Autistic traits: Life course & genetic structure	\$547,284	Q2.S.G	Washington University
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	\$551,118	Q2.Other	California Institute of Technology
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$555,288	Q2.Other	The Mind Research Network
Social-affective bases of word learning in fragile X syndrome and autism	\$556,374	Q1.Other	University of Wisconsin - Madison
Sensory processing and integration in autism	\$557,971	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Design & synthesis of novel CNS-active oxytocin and vasopressin receptor ligands	\$560,535	Q4.Other	The Scripps Research Institute
An open resource for autism iPSCs and their derivatives	\$561,413	Q7.D	Children's Hospital of Orange County
BDNF and the restoration of spine plasticity with autism spectrum disorders	\$564,519	Q2.S.D	University of California, Irvine

Project Title	Funding	Strategic Plan Objective	Institution
4/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD	\$564,924	Q4.L.C	Yale University
ACE Center: Genetic contributions to endophenotypes of autism	\$569,673	Q2.S.G	University of Washington
ACE Center: Assessment Core	\$570,490	Q1.L.A	Yale University
Taste, smell, and feeding behavior in autism: A quantitative traits study	\$576,270	Q2.Other	University of Rochester
Treatment of medical conditions among individuals with autism spectrum disorders	\$578,006	Q2.S.E	National Institutes of Health
Function and structure adaptations in forebrain development	\$580,377	Q2.Other	University of Southern California
A molecular genetic study of autism and related phenotypes in extended pedigrees	\$582,231	Q3.S.A	University of North Carolina at Chapel Hill
fMRI studies of neural dysfunction in autistic toddlers	\$582,409	Q2.Other	University of California, San Diego
Finding autism genes by genomic copy number analysis	\$582,867	Q3.S.A	Children's Hospital Boston
Impacts of parenting adolescents & adults with autism	\$586,170	Q6.L.B	University of Wisconsin - Madison
Autism and the development of relational awareness	\$598,579	Q4.Other	University of British Columbia
Infants at risk of autism: A longitudinal study	\$599,598	Q1.L.A	University of California, Davis
The ontogeny of social visual engagement in infants at risk for autism	\$600,325	Q1.L.A	Yale University
Social-emotional development of infants at risk for autism spectrum disorders	\$604,960	Q1.L.B	University of Washington
Large-scale discovery of scientific hypotheses; Computation over expert opinions	\$607,996	Q3.Other	University of Chicago
Autism in urban context: Linking heterogeneity with health and service disparities	\$613,127	Q5.S.A	University of Southern California
A longitudinal MRI study of brain development in fragile X syndrome	\$617,080	Q2.S.D	University of North Carolina at Chapel Hill
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	\$619,865	Q4.S.F	Medical University of South Carolina
ACE Center: Early detection and intervention in infants at risk for autism	\$620,446	Q1.L.B	University of Washington
Prenatal and neonatal biologic markers for autism	\$621,762	Q3.S.C	Kaiser Foundation Research Institute
Characterizing the genetic systems of autism through multi-disease analysis	\$630,255	Q2.S.G	Harvard Medical School
A neuroimaging study of twin pairs with autism	\$632,389	Q2.S.G	Stanford University
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	\$634,739	Q3.S.J	Baylor College of Medicine
A systems biology approach to unravel the underlying functional modules of ASD	\$655,975	Q2.Other	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
A mitochondrial etiology of autism	\$657,793	Q2.S.A	Children's Hospital of Philadelphia
Predicting useful speech in children with autism	\$662,075	Q1.L.B	Vanderbilt University
1/2 Development of a screening interview for research studies of ASD	\$665,065	Q1.S.A	University of Michigan
Providing core support for Jr. faculty for translational research in ASD	\$678,816	Q7.K	University of California, Los Angeles
Neurobehavioral research on infants at risk for SLI and autism	\$691,847	Q1.L.A	Boston University Medical Campus
Gene dosage imbalance in neurodevelopmental disorders	\$696,220	Q1.S.E	Emory University
Novel computational methods for higher order diffusion MRI in autism	\$704,302	Q2.Other	University of Pennsylvania
Genome-wide environment interaction study for autism: The SEED study	\$704,956	Q3.S.C	Johns Hopkins University
RNA expression patterns in autism	\$706,052	Q3.L.B	Children's Hospital Boston
Randomized controlled trial of the P.L.A.Y. Project intervention for autism	\$708,576	Q4.L.D	Solomon, Richard MD, PLC
4/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$725,893	Q3.S.A	University of Pennsylvania
Kinetics of drug macromolecule complex formation	\$729,415	Q2.Other	University of California, San Diego
Primate models of autism	\$734,756	Q2.S.A	University of California, Davis
Autism: Social and communication predictors in siblings	\$751,225	Q1.L.B	Kennedy Krieger Institute
Olivocerebellar circuitry in autism	\$756,917	Q2.Other	Boston University Medical Campus
Genetic epidemiology of complex traits	\$770,313	Q3.L.B	National Institutes of Health
Trial of a glutamate antagonist in the treatment of OCD and autistic disorders	\$770,674	Q4.L.A	National Institutes of Health
Dissecting the neural control of social attachment	\$772,500	Q4.S.B	University of California, San Francisco
The genetic basis of mid-hindbrain malformations	\$773,002	Q2.S.G	Seattle Children's Hospital
Neurogenetic model of social behavior heterogeneity in autism spectrum disorders	\$795,188	Q4.S.B	Duke University
Using induced pluripotent stem cells to identify cellular phenotypes of autism	\$800,000	Q4.S.B	Stanford University
Social determinants of the autism epidemic	\$805,000	Q3.L.D	Columbia University
Autism Research Program	\$805,893	Q7.K	University of Southern California
3/3-Multisite RCT of early Intervention for spoken communication in autism	\$815,668	Q4.S.F	Kennedy Krieger Institute
3/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$840,464	Q3.S.A	Mount Sinai School of Medicine
Autism Registry	\$842,352	Q7.C	Group Health Cooperative

Project Title	Funding	Strategic Plan Objective	Institution
Understanding the cognitive impact of early life epilepsy	\$845,000	Q2.S.E	Children's Hospital Boston
Gene-environment interactions in an autism birth cohort (supplement)	\$849,819	Q3.L.D	Columbia University
A systematic test of the relation of ASD heterogeneity to synaptic function	\$875,864	Q2.Other	Stanford University
ACE Center: Subject Assessment and Recruitment Core	\$878,970	Q7.Other	University of Pittsburgh
The creation of ASDRA (Autism Spectrum Disorder Risk Alert)	\$892,640	Q1.S.A	Tiranoff Productions, LLC
2/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder	\$929,381	Q4.S.D	University of Michigan
Epigenetic marks as peripheral biomarkers of autism	\$949,623	Q3.S.J	Emory University
Improving and streamlining screening and diagnosis of ASD at 18-24 months of age	\$968,011	Q1.S.B	Florida State University
Biological correlates of altered brain growth in autism	\$975,783	Q3.S.A	Yale University
1/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$998,515	Q3.S.A	Baylor College of Medicine
ACE Network: Early pharmacotherapy guided by biomarkers in autism	\$1,000,000	Q4.S.F	Wayne State University
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment	\$1,005,627	Q3.S.C	University of California, Davis
Early detection of pervasive developmental disorders	\$1,032,220	Q1.S.A	University of Connecticut
Genomic profiling and functional mutation analysis in autism spectrum disorders	\$1,061,929	Q3.S.A	Yale University
Neural dissection of hyperactivity/inattention in autism	\$1,117,595	Q2.S.E	New York University School of Medicine
The cognitive neuroscience of autism spectrum disorders	\$1,121,429	Q2.Other	National Institutes of Health
Molecular and genetic epidemiology of autism	\$1,186,466	Q3.L.B	University of Miami Miller School of Medicine
Identifying brain-based biomarkers for ASD & their biological subtypes	\$1,224,886	Q2.Other	New York State Psychiatric Institute
Deep sequencing of autism candidate genes in 2000 families from the Simons Simplex Collection	\$1,395,339	Q3.S.A	Cold Spring Harbor Laboratory
Interdisciplinary investigation of biological signatures of autism subtypes	\$1,398,688	Q2.L.A	University of California, Davis
Whole-genome sequencing for rare highly penetrant gene variants in schizophrenia	\$1,461,725	Q3.L.B	Duke University
Genomic identification of autism loci	\$1,483,822	Q1.S.E	University of Washington
Center for Genomic and Phenomic Studies in Autism	\$1,495,363	Q3.S.C	University of Southern California
Transgenic animal models for neuroscience research	\$1,588,780	Q7.P	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$1,723,105	Q3.S.A	Broad Institute
Animal models of neuropsychiatric disorders	\$1,769,941	Q4.S.B	National Institutes of Health
Environment, the perinatal epigenome, and risk for autism and related disorders	\$1,771,110	Q3.S.J	Johns Hopkins University
National Database on Autism Research (NDAR)	\$1,843,140	Q7.H	Center For Information Technology
Functional anatomy of face processing in the primate brain	\$1,877,600	Q2.Other	National Institutes of Health
Clinical and behavioral phenotyping of autism and related disorders	\$1,926,685	Q1.L.B	National Institutes of Health
Studies on protein synthesis and long-term adaptive responses in the CNS	\$1,992,862	Q2.Other	National Institutes of Health
The role of retrotransposons in autism spectrum disorders	\$2,078,635	Q3.L.B	Johns Hopkins University
Regulation of gene expression in the brain	\$2,086,763	Q4.S.B	National Institutes of Health
Dissecting epistasis and pleiotropy in autism towards personalized medicine	\$2,317,500	Q3.S.A	University of California, San Francisco
Human autism genetics and activity dependent gene activation	\$2,639,516	Q3.S.A	Children's Hospital Boston
5/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$2,718,190	Q3.S.A	Vanderbilt University
ACE Network: A comprehensive approach to identification of autism susceptibility genes	\$2,823,814	Q3.L.B	University of California, Los Angeles
ACE Network: A multi-site randomized study of intensive treatment for toddlers with autism	\$2,920,093	Q4.S.D	University of California, Davis
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network	\$2,965,254	Q3.L.A	Drexel University
ACE Network: A longitudinal MRI study of infants at risk for autism	\$3,283,233	Q1.L.A	University of North Carolina at Chapel Hill
Study of health outcomes in children with autism and their families	\$4,197,414	Q2.Other	The Lewin Group
Office of the Scientific Director	\$6,374,025	Q7.Other	National Institutes of Health

